

**ABSTRACT**

A valve actuator assembly for actuating a valve, the valve having a longitudinal axis includes an electrohydraulic actuator being displaced a lateral distance from the valve longitudinal axis, and a rocker arm being rotatable about a hinge point, a first arm portion extending from the hinge point to a proximal end and a second arm portion extending from the hinge point to a distal end, the proximal end being operably coupled to the second stage piston and the distal end being operably coupled to the valve, the first arm portion being shorter than the second arm portion, the rocker arm spanning the lateral distance. A method of stroke amplification is further included.